Friday, 8/31/2007 11:53:29 AM User: Kim Johnston **Process Sheet Drawing Name** : DOUBLER Customer : CU-DAR001 Dart Helicopters Services Job Number : 34374 **Estimate Number** : 11466 : MA Part Number : D314092 P.O. Number S.O. No. : NA : D3140 REV F **Drawing Number** This Issue : 8/31/2007 Prsht Rev. Project Number Туре : SMALL /MED FAB **Drawing Revision** First Issue : 27378 Material Previous Run Each Due Date : 9/4/2007 Qty: 3 Um: Written By Checked & Approved By 02.04.30 New Issue NG Comment : Est. Est. Rev B New dwg rev. ecn781 06.04.18 EC Now on Waterjet 06-06-08 JLM Est Rev:C Est. rev.D added scuffing NCR 061 EC Est Rev:E As per ECN #829 06-11-20 JLM **Additional Product** Job Number: Seq. #: Machine Or Operation: Description: 1.0 M2024T3S032 2024-T3 .032 sheet Comment: Qty.: 0.1549 sf(s)/Unit $0.4646 \, sf(s)$ Total: 2024-T3 .032 sheet Matl: 2024-T3 (QQ-A-250/4) .032" thick (M2024T3S.032) 5.00" x 4.06" flat pattern ref 1B07-09-02 Note grain direction WATER JET FLOW WATER JET 2.0 Comment: FLOW WATER JET 1-Cut as per Dwg D3140 **ENSURE:THAT GRAIN DIRECTION IS CORRECT*** Dwg Rev:_ 1B07-09-02 Prog Rev:_\textstyle \textstyle \ 2-Deburr if necessary INSPECT PARTS AS THEY COME OFF MACHINE 3.0 QC2 1307-09-02 Comment: INSPECT PARTS AS THEY COME OFF MACHINE SECOND CHECK 4.0 QC8 Comment: SECOND CHECK

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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Part No:	PAR #: Fault Category: NCR: Yes NO DQA: Date				
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	Description of NC	Corrective A	ction Section B	Verification	Approval Approval
DATE STEP	Section A	Initial Action	Description Sign &	Section C	Chief Eng. OC Inspector

		Description of NC	Corrective Action Section B			Verification Approv		
DATE	STEP	Section A	Initial Action Description Sign & Date		Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Date: Friday, 8/31/2007 11:53:29 AM Kim Johnston User: **Process Sheet** Drawing Name: DOUBLER Customer: CU-DAR001 Dart Helicopters Services Job Number: 34374 Part Number: D314092 Job Number: Description: Seq. #: Machine Or Operation: SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1 5.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 SAD 08/01/07 1-Form as per Dwg D3140 2-Scuff surfaces with 80grit sandpaper per QSI 006 3-Deburr. No sharp edges INSPECT WORK TO CURRENT STEP 6.0 QC5 Comment: INSPECT WORK TO CURRENT STEP HAND FINISHING RESOURCE #1 7.0 Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 INSPECT POWDER COAT/CHEMICAL CONVERSION QC3 8.0 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE # 9.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location:_ FINAL INSPECTION/W/O RELEASE 10.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE u.04.01.15 Job Completion

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W/O:		WORK ORDER CHANGES							
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		Description of NC		Corrective Action Section B		Verification	Annaval	
DATE STEP		Section A	Initial Chief Eng			Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries



DESIGN DRAWN BY		ROSPACE LTD IRY, ONTARIO, CANADA
CHECKED \ APPROVED	, DRAWING NO.	REV. F
r lakk 1	D3140	SHEET 1 OF 7
DATE	TITLE	SCALE
06.10.06	DOOR	NTS
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RELEASED 06.11.13

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	06.10.06		DOOR NTS
	Α	02.04.18	NEW ISSUE
	В	03.01.23	REMOVE -65/-81/-83; ADD -301/-303
	С	04.11.08	CHANGE DELASTEK SPEC. TEC-77; ADD PART MARKING; ADD NOTES 11, 12, 13; CHANGE ANGLE -95/-97/-98 TO 106°
	D	05.11.23	ADD -103/-104/-105/-106; REMOVE -67
	E	06.06.09	1.75 WAS 1.88, 4.75 WAS 4.13 ON -08/-07, 1.00 WAS 1.20 ON -09/-10
****	F	06.10.06	ADD NOTE 14; CORRECT PART TITLE, NOW D3140-09/-92/-104 SHOWN D3140-10/-91/-103 OPPOSITE

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		Х				D3140-07	DOOR	
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2	2					D3140-63	PAD	
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		<u> </u>		1	1	D3140-85	ANGLE	SHOP COPY
1	1					D3140-87	DOUBLER	SHOP COT
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		1				D3140-91	DOUBLER	ENGINEERING
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DESIGN #	CB		ROSPACE LTD ty, ontario, canada
CHECKED	APPROVED ,	DRAWING NO.	REV. F
Mek	of	D3140	SHEET 2 OF 7
DATE		TITLE	SCALE
06.10.06		DOOR	NTS

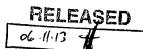


COMPOSITE LAYUP & BONDING I.A.W. DELASTEK PROCESS SPEC. TEC-77
MATERIAL STORAGE & HANDLING TO BE I.A.W. DART QSI 006
MAIN LAYUP USES FIBERCOTE E-761/7781 EPOXY FIBERGLASS.
FILL WITH EPOCAST 87269 OR MAGNOBOND 77 A & B AND MA560 FOAM/ NB-51/30 FOAM



FINISH: DUPONT HIGHBUILD GREY PRIMER 1144-S

MAKE PARTS IN ACCORDANCE WITH THE FOLLOWING TOOLS/MOLDS:





MATERIAL: 2024-T3 (QQ-A-250/4) 0.032 THICK (M2024T3S.032) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 2024-T3 (QQ-A-250/4) 0.020 THICK (M2024T3S.020) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 5052-H32/H34 (QQ-A-250/8) 0.040 THICK (M5052H32S.040) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: POLIMEX TR75 1" THICK 4.5 LB KLEGECELL



ALL DIMENSIONS IN INCHES



TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



MATERIAL: 6061-T6 (QQ-A-250/11) 0.063 THICK (M6061-T6S.063) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



DOUBLER TO SIT ON TOP OF FOAM AT THIS LOCATION



DOUBLER TO BE RECESSED FLUSH INTO FOAM AT THIS LOCATION



RUBBER STAMP WITH DART P/N D3140-05/-06/-07/-08 USING MIL-STD-130



PARTS MUST BE SCUFFED WITH 80 GRIT SANDPAPER PRIOR TO ACID ETCH AND ALODINE PER DART QSI 005 4.1



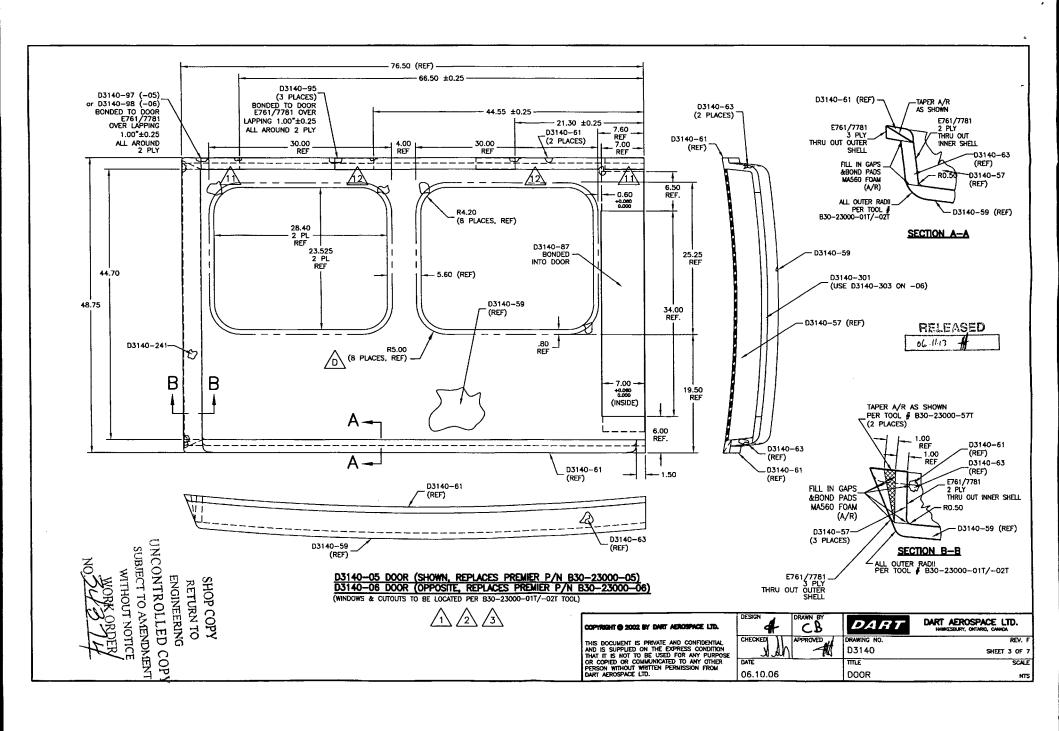
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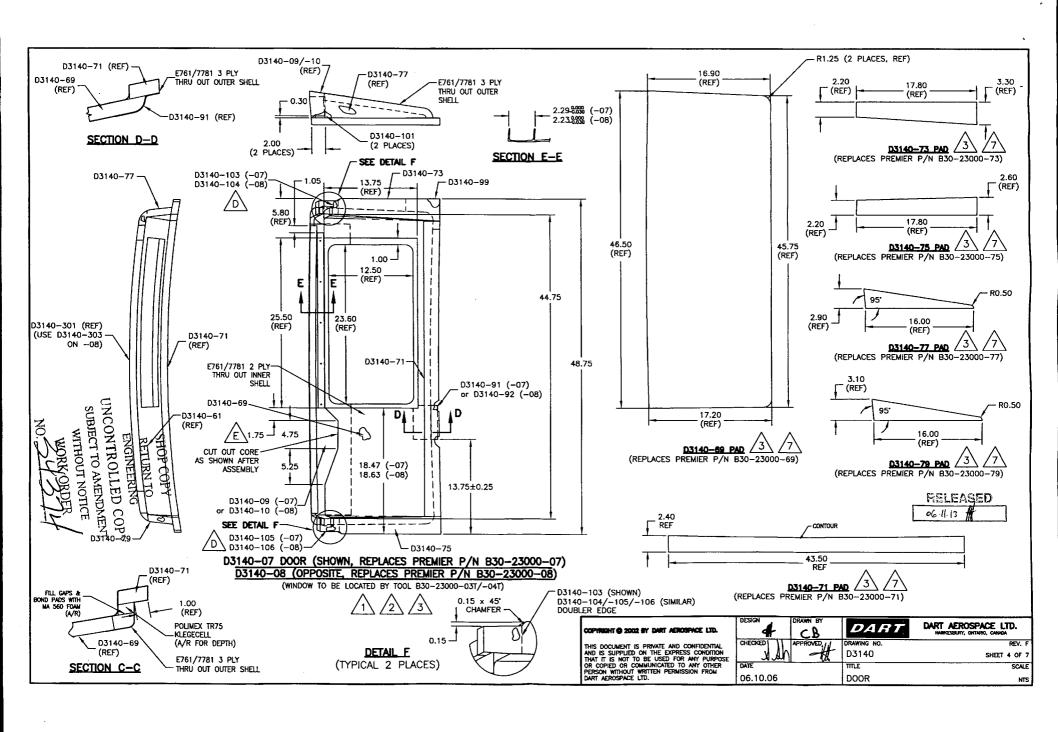
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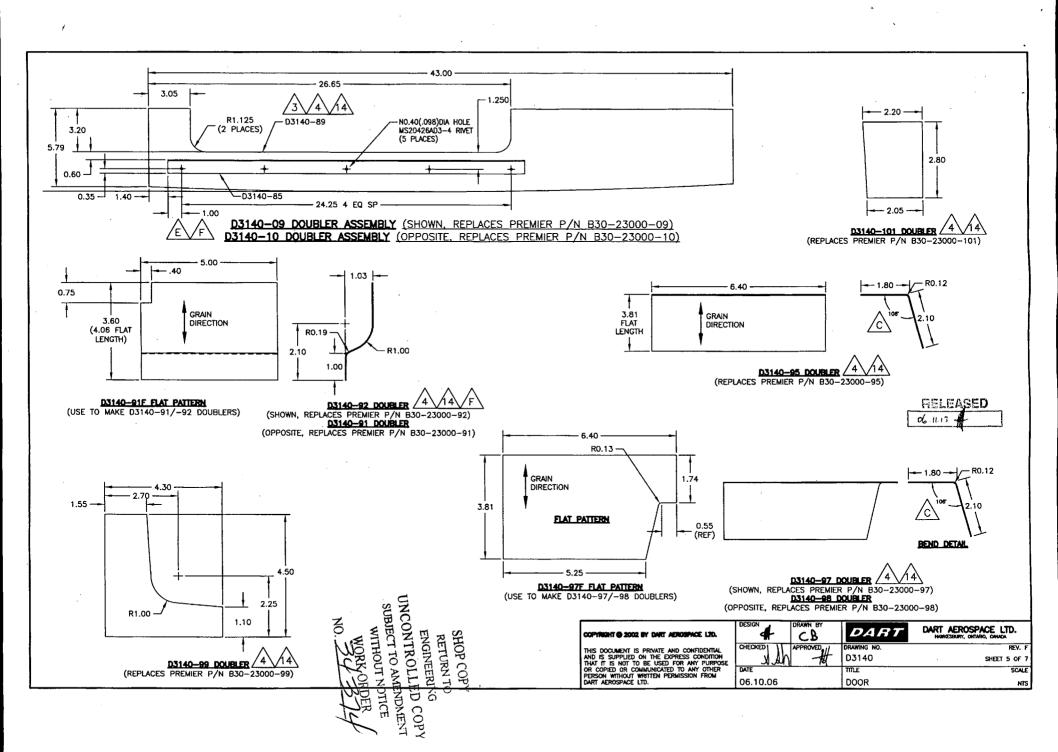
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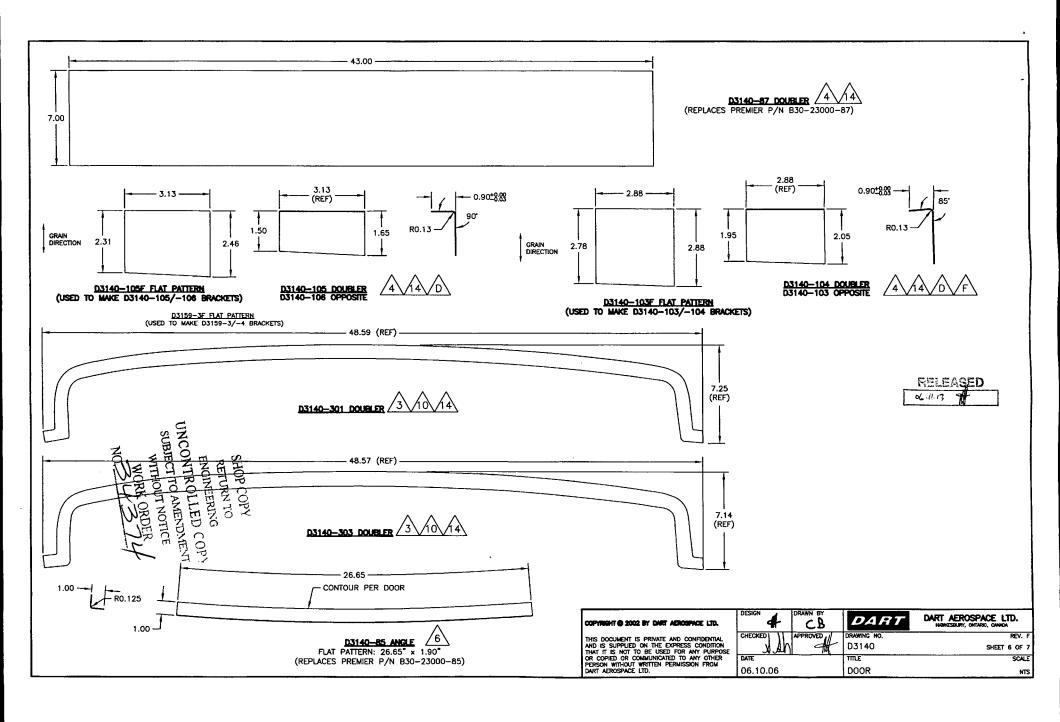
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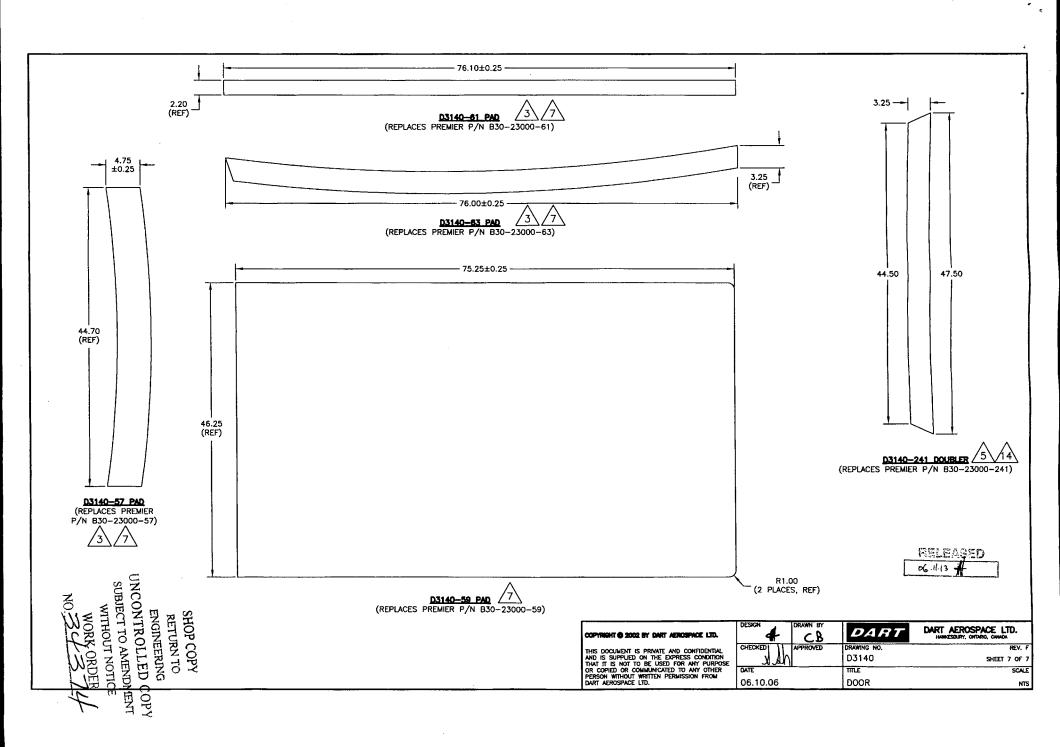
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DART AEROSPACE LTD	Work Order:	34374
Description: Doubles	Part Number:	D3140-92
ALC:		
Inspection Dwg: Rev:	1	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X	First Article	Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
5.00	4030	5.00	≱ €			
75	4/030	,75	*			
4.06	4/030	4.66	*			
3,60	t/ 20					
	10.00					
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Measured by:	Audited by:	Prototype Approval:	
Date: 07-09-05	Date: 07/09/04	Date:	

Rev	Date	Change	Revised by	Approved
Α		New Issue	KJ/JLM	

